

Name: \_\_\_\_\_

## ET\_1021 version 9

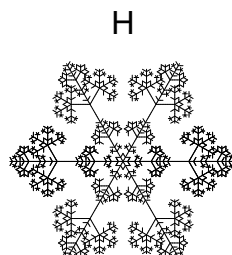
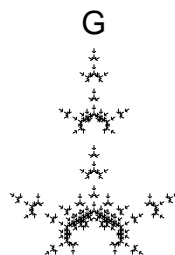
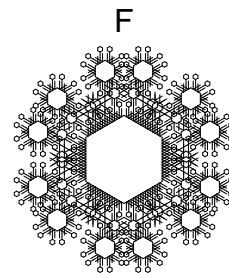
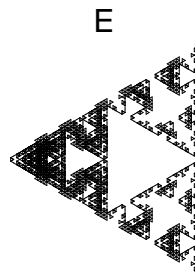
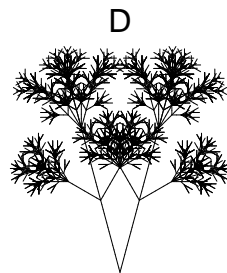
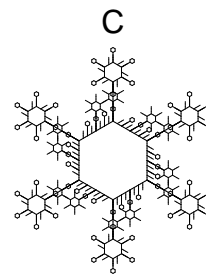
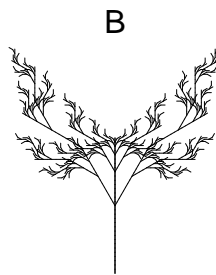
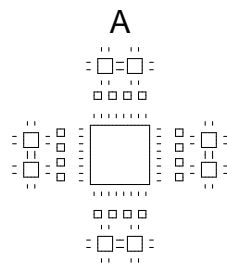
Consider the  $L$ -system (and angle) defined below:

- Start: A
- Rules:  
A  $\rightarrow$  B-ABA-B  
B  $\rightarrow$  A+B+A

- Number of recursions (number of iterations): 6
- Angle:  $120^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

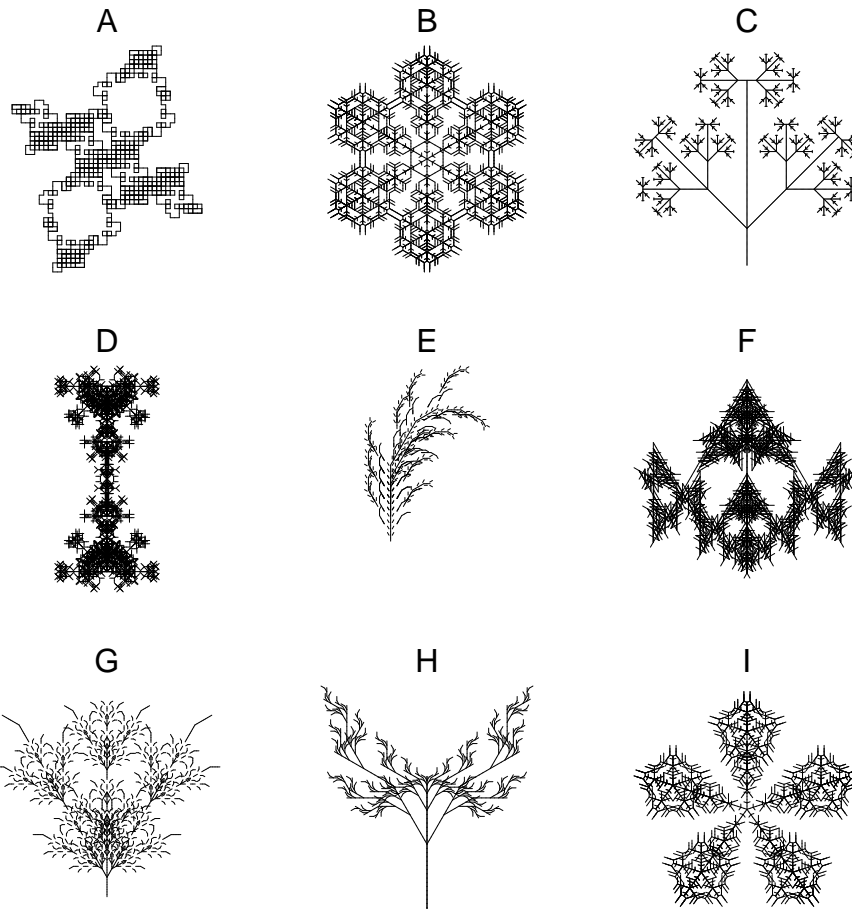
E

Consider the  $L$ -system (and angle) defined below:

- Start:  $[A] + [A] + [A] + [A] + [A] + [A]$
- Rules:  
     $A > AA[-B][+B]B$   
     $B > [-ABC][+ABC]$   
     $C > A[-CB][+CB]$
- Number of recursions (number of iterations): 4
- Angle:  $60^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

**B**